Component-Based Software Engineering
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DRESDEN
concept
Exzellenz aus
Wissenschaft
und Kultur

Requirements

1. Business Concept Model

- Domain Model
- Class-Diagram (No operations, no Datatypes)

2. Use-Case Model

- Use-Case Diagram
- Identify Use-Case Steps
- Derive System Interfaces

Specification

1. Business Type Model
- Class Diagram (Derived from Business Concept Model)
- Remove/Add Types + Identify Business Interfaces

2. ComponentSpecification
- Component Diagram
- No Attributes
- Lollipop Notation

3. ComponentArchitecture
- Class Diagram (Derived from Component Specification)
- Connect Provided/Required Ports

4. InterfaceSpecifications
- Class Diagram / Collaboration Diagram

ProcessMngmt

+startProcess(p : Product)
+getAllProcesses()
+stopProcess(p : Process)

WEIR - Using Wearables for Interacting with Robotic Co-Workers